

PATENT

Docket No. CUPO 20-24

Express Mail Label No. \_\_\_\_\_

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**UTILITY APPLICATION AND APPLICATION FEE TRANSMITTAL (1.53(b))**

ASSISTANT COMMISSIONER FOR PATENTS  
Box Patent Application  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing is the patent application of

All Inventor(s)  
including Address(es) Robert Louis Cupo, 38 Jeryl Street, Eatontown, New Jersey 07724

Muhammad R. Karim, 4 Naomi Road, wayside, New Jersey 07712

For: AN IMPROVED IN-BAND-ON-CHANNEL (IBOC) SYSTEM AND METHODS OF  
OPERATION USING ORTHOGONAL FREQUENCY DIVISION MULTIPLEXING  
(OFDM) WITH TIMING AND FREQUENCY OFFSET CORRECTION

Enclosed are:

[X] 10 page(s) of specification, 1 page(s) of Abstract, 6 page(s) of claims

[X] 4 sheets of drawing [x] formal [ ] informal

[X] 4 page(s) of Declaration and Power of Attorney

[ ] Unsigned  
[x] Newly Executed  
[ ] Copy from prior application

[ ] Deletion of inventors including Signed Statement under 37 C.F.R. § 1.63(d)(2)

[ ] Incorporation by Reference: The entire disclosure of the prior application, from which a copy of the combined declaration and power of attorney is supplied herein, is considered as being part of the disclosure of the accompanying application and is incorporated herein by reference.

[ ] Microfiche Computer Program (Appendix)

[ ] page(s) of Sequence Listing

[ ] computer readable disk containing Sequence Listing

[ ] Statement under 37 C.F.R. § 1.821(f) that computer and paper copies of the Sequence Listing are the same

☒ Assignment Papers (assignment cover sheet and assignment documents)

☒ Charge Fee(s) \$40.00 for recording the Assignment to Deposit Account No. 12-2325 Order No. CUPO 20-2. A DUPLICATE COPY OF THIS SHEET IS ATTACHED

☐ Assignment papers filed in parent application Serial No. \_\_\_\_\_.

☐ Certification of chain of title pursuant to 37 C.F.R. § 3.73(b).

☐ Foreign priority is claimed under 35 U.S.C. § 119 from \_\_\_\_\_ Patent Application(s) No. \_\_\_\_\_ dated \_\_\_\_\_.

☐ Priority document(s) will be submitted at a later date.

☐ Priority document(s) is/are submitted herewith.

☐ Information Disclosure Statement

☐ Copy of \_\_\_\_\_ cited references

☐ Preliminary Amendment

☒ Return receipt postcard (MPEP 503)

☐ This is a ☐ continuation ☐ divisional ☐ continuation-in-part (C-I-P) of prior application serial no. \_\_\_\_\_.

☐ Cancel in this application original claims \_\_\_\_\_ of the parent application before calculating the filing fee. (At least one original independent claim must be retained for filing purposes.)

☐ A preliminary Amendment is enclosed. (Claims added by this Amendment have been properly numbered consecutively beginning with the number following the highest numbered original claim in the prior application.

☐ The status of the parent application is as follows:

☐ A Petition For Extension of Time and a Fee therefor has been or is being filed in the parent application to extend the term for action in the parent application until \_\_\_\_\_.

☐ A copy of the Petition for Extension of Time in the co-pending parent application is attached.

☐ No Petition For Extension of Time and Fee therefor are necessary in the co-pending parent application.

☐ Please abandon the parent application at a time while the parent application is pending or at a time when the petition for extension of time in that application is granted and while this application is pending has been granted a filing date, so as to make this application co-pending.

☐ Transfer the drawing(s) from the patent application to this application.

☐ Amend the specification by inserting before the first line the sentence:  
This is a ☐ continuation ☐ divisional ☐ continuation-in-part of co-pending application Serial No. \_\_\_\_\_ filed \_\_\_\_\_.

## I. CALCULATION OF APPLICATION FEE

	Number Filed		Number Extra		Rate	Basic Fee
						\$760.00
Total Claims	21	-20=	1	x	\$18.00	\$18.00
Independent Claims	3	- 3=	0	x	\$78.00	\$0.00
Multiple Dependent Claims						
	<input type="checkbox"/>	yes	Additional Fee	=	\$260.00	\$0.00
	<input checked="" type="checkbox"/>	no	Additional Fee	=	NONE	
TOTAL						\$778.00

- ☐ A statement claiming small entity status is attached or has been filed in the above-identified parent application and its benefit under 37 C.F.R. § 1.28(a) is hereby claimed. Reduced fees under 37 C.F.R. § 1.9(F) (50% of total) paid herewith \$ \_\_\_\_\_.
- ☐ A check in the amount of \$ \_\_\_\_\_ in payment of the application filing fees is attached.
- ☒ Charge Fee(s) to Deposit Account No. 12-2325 Order No. CUPO 20-2. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.
- ☒ The Assistant Commissioner is hereby authorized to charge any additional fees which may be required for filing this application, or credit any overpayment to Deposit Account No. 12-2325. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,

MORGAN &amp; FINNEGAN, L.L.P.

Dated:

July 14, 1999

By:

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